

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

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1. (Currently amended) A front derailleur for a bicycle comprising:
- a fixed member having a mounting portion configured to be coupled to a frame portion of the bicycle, said fixed member including a first mounting flange, ~~and~~ a second mounting flange axially spaced from said first mounting flange and a curved mounting surface having a center axis;
 - a chain guide having a chain receiving slot to shift a chain of the bicycle in a transverse direction; and
 - a linkage assembly coupled between said chain guide and said fixed member to move said chain guide between a retracted position and an extended position; said linkage assembly including
 - a first link pivotally coupled to said fixed member at a first pivot point for rotation about a first pivot axis, said first link having a cable attachment portion.
 - a second link pivotally coupled to said first and second mounting flanges for rotation about a second pivot axis passing through said first and second mounting flanges that is substantially parallel to said first pivot axis, and
 - a third link coupled to said chain guide and movably coupled to said first and second links to form a four-bar linkage together with said fixed member,
- said first and second mounting flanges having different axial widths, as measured along said second pivot axis, said first mounting flange extending in a rearward axial direction along said second pivot axis relative to said center axis of said curved mounting surface and said second mounting flange extending in a forward axial direction along said second pivot axis relative to said center axis of said curved mounting surface.
2. (Currently amended) ~~The~~ A front derailleur ~~according to claim 1, wherein~~ for a bicycle comprising:

a fixed member having a mounting portion configured to be coupled to a frame portion of the bicycle, said fixed member including a first mounting flange and a second mounting flange axially spaced from said first mounting flange;

a chain guide having a chain receiving slot to shift a chain of the bicycle in a transverse direction; and

a linkage assembly coupled between said chain guide and said fixed member to move said chain guide between a retracted position and an extended position; said linkage assembly including

a first link pivotally coupled to said fixed member at a first pivot point for rotation about a first pivot axis, said fixed member is being configured with said first pivot axis being spaced less than about 5.0 millimeters from a center plane of the frame portion, measured perpendicular to said first pivot axis,

a second link pivotally coupled to said first and second mounting flanges for rotation about a second pivot axis passing through said first and second mounting flanges that is substantially parallel to said first pivot axis, and
a third link coupled to said chain guide and movably coupled to said first and second links to form a four-bar linkage together with said fixed member,

said first and second mounting flanges having different axial widths, as measured along said second pivot axis.

3. (Original) The front derailleur according to claim 2, wherein said second link has a longitudinal dimension measured along said second pivot axis that is at least about 45.0 millimeters in length.

4. (Original) The front derailleur according to claim 3, wherein said first link has a cable attachment point adapted to fixedly couple a control element thereto.

5. (Original) The front derailleur according to claim 4, wherein said linkage assembly includes a biasing member normally urging said chain guide to one of said retracted and extended positions.

6. (Original) The front derailleur according to claim 5, wherein said fixed member is a tubular clamping member.

7. (Original) The front derailleur according to claim 3, wherein said axial width of said first mounting flange is at least about five times thicker than said axial width of said second mounting flange with said first mounting flange being at least partially aligned with said first link in a direction perpendicular to said first and second pivot axes.

8. (Original) The front derailleur according to claim 7, wherein said first mounting flange is at least about 21 millimeters thick, as measured along said second pivot axis.

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9. (Currently amended) ~~The A~~ front derailleur ~~according to claim 1, wherein~~ for a bicycle comprising:

a fixed member having a mounting portion configured to be coupled to a frame portion of the bicycle, said fixed member including a first mounting flange and a second mounting flange axially spaced from said first mounting flange;

a chain guide having a chain receiving slot to shift a chain of the bicycle in a transverse direction; and

a linkage assembly coupled between said chain guide and said fixed member to move said chain guide between a retracted position and an extended position; said linkage assembly including

a first link pivotally coupled to said fixed member at a first pivot point for rotation about a first pivot axis, said first link having a cable attachment portion,

a second link pivotally coupled to said first and second mounting flanges for rotation about a second pivot axis passing through said first and second mounting flanges that is substantially parallel to said first pivot axis, said first pivot axis being spaced farther from a center longitudinal plane of said chain receiving slot of said chain guide than said second pivot axis as

measured in a direction perpendicular to the center longitudinal plane of said chain receiving slot, and
a third link coupled to said chain guide and movably coupled to said first and second links to form a four-bar linkage together with said fixed member,
said first and second mounting flanges having different axial widths, as measured along said second pivot axis, said first mounting flange ~~extends~~ extending axially along said second pivot axis away from said mounting portion of said fixed member to form a first link receiving recess between said first mounting flange and said mounting portion of said fixed member such that said first link is at least partially disposed in said first link receiving recess to be at least partially aligned with said first mounting flange in a direction perpendicular to said first and second pivot axes.

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10. (Original) The front derailleur according to claim 9, wherein said first link includes a link attachment portion that is axially disposed between said third link and said fixed member, relative to said first pivot axis.

11. (Currently amended) ~~The A front derailleur according to claim 1, wherein for~~
a bicycle comprising:

a fixed member having a mounting portion configured to be coupled to a frame portion of the bicycle, said fixed member including a first mounting flange and a second mounting flange axially spaced from said first mounting flange;

a chain guide having a chain receiving slot to shift a chain of the bicycle in a transverse direction; and

a linkage assembly coupled between said chain guide and said fixed member to move said chain guide between a retracted position and an extended position; said linkage assembly including

a first link pivotally coupled to said fixed member at a first pivot point for rotation about a first pivot axis,

a second link pivotally coupled to said first and second mounting flanges for rotation about a second pivot axis passing through said first and second mounting flanges that is substantially parallel to said first pivot axis, and

a third link coupled to said chain guide and movably coupled to said first and second links to form a four-bar linkage together with said fixed member, said first and second mounting flanges having different axial widths, as measured along said second pivot axis. said axial width of said first mounting flange is being at least about five times thicker than said axial width of said second mounting flange with said first mounting flange being at least partially aligned with said first link in a direction perpendicular to said first and second pivot axes.

12. (Original) A front derailleur for a bicycle comprising:

AS a fixed member having a mounting portion configured to be coupled to a frame portion of the bicycle, said fixed member including a first mounting flange and a second mounting flange axially spaced from said first mounting flange;

a chain guide having a chain receiving slot to shift a chain of the bicycle in a transverse direction; and

a linkage assembly coupled between said chain guide and said fixed member to move said chain guide between a retracted position and an extended position; said linkage assembly including

a first link pivotally coupled to said fixed member at a first pivot point for rotation about a first pivot axis,

a second link pivotally coupled to said first and second mounting flanges for rotation about a second pivot axis passing through said first and second mounting flanges that is substantially parallel to said first pivot axis, said second link having a longitudinal dimension measured along said second pivot axis that is at least about 45.0 millimeters in length, and

a third link coupled to said chain guide and movably coupled to said first and second links to form a four-bar linkage together with said fixed member.

13. (Original) The front derailleur according to claim 12, wherein

said fixed member is configured with said first pivot axis being spaced less than about 5.0 millimeters from a center plane of the frame portion, measured perpendicular to said first pivot axis.

14. (Original) The front derailleur according to claim 12, wherein said first and second mounting flanges have different axial widths, as measured along said second pivot axis.

15. (Original) The front derailleur according to claim 14, wherein said axial width of said first mounting flange is at least about five times thicker than said axial width of said second mounting flange with said first mounting flange being at least partially aligned with said first link in a direction perpendicular to said first and second pivot axes.

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(cont) 16. (Original) The front derailleur according to claim 15, wherein said first mounting flange is at least about 21 millimeters thick, as measured along said second pivot axis.

17. (Original) The front derailleur according to claim 15, wherein said first link has a cable attachment point adapted to fixedly couple a control element thereto.

18. (Original) The front derailleur according to claim 17, wherein said linkage assembly includes a biasing member normally urging said chain guide to one of said retracted and extended positions.

19. (Original) The front derailleur according to claim 18, wherein said fixed member is a tubular clamping member.

20. (Original) The front derailleur according to claim 12, wherein said first mounting flange extends axially along said second pivot axis away from said mounting portion of said fixed member to form a first link receiving recess between said first mounting flange and said mounting portion of said fixed member such that said first link is at least partially disposed in said first link receiving recess to be at least partially aligned with said first mounting flange in a direction perpendicular to said first and second pivot axes.

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21. (Original) The front derailleur according to claim 20, wherein
said first link includes a link attachment portion that is axially disposed between said
third link and said fixed member, relative to said first pivot axis.

